V6R2013 Customer License Key Reference

Introduction

Audience and Scope

This document is a general reference for software license keys required by V6R2013 products and their pre-requisites. It is intended primarily for Customer personnel responsible for requesting, installing, and administering Dassault Systèmes license keys. It applies to PLM V6R2013 Generally Available products. It should be used as a supplement to the V6 product documentation, which should always be consulted first.

It covers

- How to request keys -overview

- *Standard license keys* for V6R2013 products

- Non-standard license keys for V6R2013 products

For convenience, instructions on finding Target ID (also known as "hostid" or "Computer ID") for both V6 and non-V6 products are given in Appendix C.

Standard license keys. In the standard case, a V6R2013 product uses a single Dassault Systèmes License Server ("DSLS") key. "DSLS key" refers here only to license keys used by DSLS V6R2010x and higher. Releases of DSLS V6R2010x and later are based on a new Dassault Systèmes proprietary technology which is not compatible with the LUM-based keys used in earlier DSLS releases.

Non-standard keys This document also covers the V6R2013 products which are exceptions to the standard, including

- Extra "connector" keys for 3DLive

- ENOVIA System-licensed products

- ENOVIA Schema Analyzer SCH

- Synchronicity Products

- ENOVIA Designer Central for CATIA V5

- Packages "ENOVIA VPM Team Live Collaboration" (VLT) and "ENOVIA VPM Live Collaboration" ("VLC")

- 3DVIA Composer

- 3DVIA Composer Player Pro

- SIMULIA Token-based Products

Products that require no keys

- Learning Solutions products

- Specific ENOVIA system licensed products as documented in section "***ENOVIA System-licensed products"***

On-line Products

- 3DSwYm Social Innovation

- Online additional disk space +50GB

- n!Volve

Keys for pre-requisites

These are often keys for servers required by end-user products, or for connectors to V4 or V5 data.

New from last release

Use of DSLS based tokens by SIMULIA is new for this release.

Terminology

In this document the following terms will be used.

Feature A functional component that is unlocked by the key. "Feature" in the license key domain corresponds to "Product" in the ordering view. Sometimes there is a direct mapping between the two: One purchased unit of a Product requires quantity one of a Feature of the same name. In other cases, one product may require more than one Feature, and the names of these Features must be documented separately in order to identify what Features go with what ordered Products.

License File The digital dataset representing the license keys, as distributed and installed.

Feature Record A line in the License File, with usually several fields, such as Feature (functional component), quantity, expiration date, and various technical parameters.

License The contract granting the right to use the product. Note that license key software technical documents generally use the term "license" to refer to the license key or Feature, and not to the contract.

Token A kind of key which has one or both of these characteristics

- A single use (such as a single user logging in, in the case of concurrent user license keys) may cause the checkout of *more than one* runtime key unit, with the latter number being determined by a table or calculation, based on some factors like functional component, CPU cores used, etc.

- A single feature may unlock more than one functional component

License Key Style License key management software such as Dassault Systèmes License Server and FlexNet™ support the concept of floating, nodelocked, failover, and other kinds of keys. This attribute is referred to in this document as "License Key Style" when not referring to any specific management software.

The DSLS key has a field for this attribute call "License Type" which can take on the values Nodelocked, Floating, Failover and Cloud. However, in the Dassault Systèmes License key administration tools, "License Type" is used differently -- it can take on the values of "NamedUser" or "Concurrent".

FLEXlm™ does not have a name for this attribute.

Target ID In the Dassault Systèmes key fulfillment procedures, the unique identifier for a machine where keys are installed is called the "Target ID". The technical term used by the license key software is

License Key Management Software	Term
LUM V4	Target ID
LUM V5	Target ID

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DSLS V6R2010 and lower	Target ID
DSLS V6R2010x and higher	Computer ID
FlexNet and FlexLM	hostid
EXALEAD	Host ID

How to Request Keys - Overview

Keys can be ordered by your VAR or Dassault Systèmes Sales rep as part of the product order--this is the preferred method. If they were not ordered at that time, then the *Key Request Form* can be downloaded from

http://www.3ds.com/terms/software-keys

This form will give the phone number, email, FAX information, and hours of availability of the Dassault Systèmes Key Management Center ("KMC") for your geography. The key request form also provides emergency key request contact info.

In order to get started, you will need a list of Product Numbers for all the products you have purchased.

Detailed instructions on how to gather information needed to complete the Key Request Form are provided in later sections.   See table to find the section for a given product set.

V6R2013 Product set	Notes	See Section
Standard		
CATIA, DELMIA, SIMULIA, and ENOVIA **Shareable** Products	Rich Client products, which are installed on the end-user machine. Licensed as "**Shareable**"	"Standard License Keys for V6R2013 Products"
CATIA, DELMIA, SIMULIA, and ENOVIA **Add-on** Products	3DLive configured key. Licensed as "**Named User**"	"Standard License Keys for V6R2013 Products"
ENOVIA Web Client Products (except Synchronicity)	Installed on the Server machine and accessed through the web browser. Licensed as "Named User". Examples are CPF and the Centrals.	"Standard License Keys for V6R2013 Products"
Non-standard		
SIMULIA V6 Token-based	DSLS	
Synchronicity	FLEXlm™ keys	"Non-Standard License Keys for V6R2013 Products"
ENOVIA Schema Analyzer	Inova-eng.com key	"Non-Standard License Keys for V6R2013 Products"
ENOVIA Studio Modeling Platform	DTE keys	ENOVIA Studio Modeling Platform (DTE)

(DTE)		
3DVIA Composer	FlexNet™keys	"Non-Standard License Keys for V6R2013 Products"
3DVIA Studio Pro and 3DVIA Shopper	DSLS keys	*3DVIA Studio Pro and 3DVIA Shopper*
EXALEAD	EXALEAD proprietary keys	EXALEAD R20113

For Standard keys and in most other cases, you will also need to determine the target ID of the machine where each key will be enrolled. The procedure is different for Standard and for Non-Standard keys. Please see Appendix C.

Once the information has been collected for each key, the key request form can be completed and sent to the Dassault Systèmes KMC for your geography by email, fax or telephone.

The KMC will send license keys via the FAX number or e-mail address you specify in the request.

Products That Do Not Require a Key

At V6R2013, the following products do not require a key

- Learning Solutions products
- Specific ENOVIA system licensed products as documented in section "***ENOVIA System-licensed products***"

For earlier V6 releases, please refer to the Customer License Key Reference for that release, available at

http://www.3ds.com/terms/software-keys/

Standard License Keys for V6R2013 Products

Overview

Standard V6 License Key Plan Types

In the standard V6 licensing model, there are three basic kinds of DSLS keys, from the perspective of system architecture:

- ***Rich client Shareable keys***

- ***Rich Client Add-on Product*** keys*.* These products do not each have individual keys, but are combined inside a configured 3DLive key.

- ***Web Client keys,*** like V6R2013 ENOVIA CPF and the Centrals

ENOVIA *Web Client* product keys are consumed on the ENOVIA server side. This means that they must be enrolled on a Dassault Systèmes License Server that is accessible by the ENOVIA server. The former MatrixOne products like CPF and the Centrals have Web Client keys.

All of the CATIA, DELMIA, and SIMULIA Shareable and Add-on (Named User) products have **rich client** keys, as do a small number of ENOVIA products. The keys for the rich client products are consumed on the client side.

Rich Client products all have 3DLIVE as a prereq, except for the Studio products.

Products with Rich Client keys – Shareable vs. Add-on Product (Named User)

In V6, a rich client "*functional*" product release, , may be offered as more than one *orderable* product release—one with Named User license, and the other with Shareable license. A *functional* product release is uniquely identified by Trigram plus Release. In V6, an "*orderable"* product release is uniquely identified by the Product Number.

- In some cases, the functional product is only offered as an add-on orderable product (Named User). For example, the functional product "CATIA 3D Drafting and Annotation" (Trigram = "TDA") can be ordered only as *orderable* product (Product Number = 6NP-TDA)

- In other cases, the function is offered in both an add-on product and a shareable orderable product. For example, the functional product release "CATIA Freestyle Design" V6R2013 (Trigram = "FSD") can be ordered as either of two different orderable products: Product Number = 6NP-FSD (Named User), or Product Number = 6CP-FSD (Shareable).

The function provided is identical for the add-on and shareable products for a given trigram.

Rich Client Shareable Keys

Each shareable product is enabled by its own key, unlike a configured 3DLive product key.

The Shareable license is more flexible in that any 3DLIve user workstation can be configured to acquire the license, without respect to the named user. If an unused key is available from the pool, use of the product is permitted. In addition, the Shareable key can be acquired and released dynamically during the 3DLive session by any user, if a key is available in the pool. The product is not assigned to the user.

Shareable keys are consumed on the client side.

Rich Client Add-on Product Keys

In contrast to Shareables, Add-on products can only run as part of a configured 3DLive Named User session. The specific list of Add-on products in the 3DLive session is determined by the DSLS license key, which cannot be modified once the key is generated.

Thus, when ordering a configured LIV key, all the Add-on products for that configured key must be specified. The ENOVIA 3DLive key is consumed on the client side.

ENOVIA 3DLIVE Offline Keys

It is possible to check out a 3DLIVE key in off- line mode that has already been assigned to a named user. In some earlier releases, only keys that have never been assigned to a named user could be checked out as offline.

Web Client Keys

These products each have their own individual DSLS key that enables one or more users, based on the number of licenses purchased. For each ENOVIA Web Client product that you have purchased, you must request a key that indicates the number of Named User licenses purchased for that product. Unlike the 3DLIVE and shareable keys, these keys are consumed on the ENOVIA server side.

General Information – all Standard keys

Target ID

The Target ID (technically called "Computer ID" in the key itself and the documentation) must be specified for all standard (DSLS V6R2013) keys. See Appendix C for instructions to determine the Target ID.

License Type

DSLS keys have a field "LicenseType" which can contain either "Floating" or "Failover". "Nodelocked" keys are no longer supported, starting with the new Dassault Systèmes-developed DSLS, which is V6R2010x and higher. "Floating" keys are keys served by a Dassault Systèmes License Server. Failover keys (called "High Availability License" or "HAL" keys for DSLS/PLM V6R2010 and lower) allow a set of three license servers to act as a fault-tolerant set, with two servers taking over if one goes down.

Duration and expiration

DSLS keys have an expiration date. There is no change in duration policies in this release. Duration of a DSLS key depends on the license charge option (YLC/ALC, etc.) and other factors.

You must order replacements for expired keys if you still wish to use the products. This is true independently of the Release of the key; even if the Release of the key matches the current Release, the key will not work if it has expired.

Some customers employ a policy of "coterminous" keys, for ease of administration. This means that the keys are managed in such a way that they all expire at the same time and are replaced at the same time. If you are using such a policy you may request an expiration date earlier than the default.

It is important to monitor your key inventory for keys that are about to expire, using the DSLS V6R2013 utilities.

Release Dependency

Standard keys work only for the Release for which they were generated and *lower*. This value can be seen in the license key; the field name is `MaxReleaseNumber`. In some cases, it may be higher than the actual release of your product.

Please see the table " Mapping -- Marketing Release to Internal Release Number" in Appendix A, "DSLS V6R2013 Planning, Installation, and Configuration - Notes" if you need to determine what Release a key is for based on the Max Release Number.

Non-standard License Keys for V6R2013 Products

The following groups of Generally Available products have non-standard keys

- SIMULIA Token-based Products

- Extra "connector" keys for 3DLive

- EXALEAD 2013

- ENOVIA System-licensed products

- ENOVIA Schema Analyzer SCH

- Synchronicity Products

- 3DVIA Composer

- ENOVIA Designer Central for CATIA V5

- Packages " ENOVIA VPM Live Collaboration" (Trigram = "VLT", Product Number = 6NP-VLT) and "ENOVIA VPM Team Live Collaboration" (Trigram = "VLC", Product Number = 6NP-VLC)

- Custom Configured ENOVIA Studio Keys

SIMULIA Token-based Products in V6R2013

Introduction

This section applies to the following products: SIMULIA Token Pack (S6P) and SIMULIA Token (S6T). These products provide DSLS tokens to execute Abaqus 6.12 solver jobs and iSight 5.7 Simflow jobs from SIMULIA V6R2013.

Releases Covered in this Section

This section applies to V6R2013 and higher.

License Key Request Procedure

SIMULIA DSLS tokens are ordered by the standard procedure. See "**How to Request Keys - Overview".**

Obtaining Software to Determine Target ID (DSLS "Computer ID")

The utility used to obtain the Target ID is shipped with the product media. If you wish to save time by ordering keys prior to receiving product media, you may download the utility and instructions from

 www.3ds.com/terms/software-keys

Licensing Scheme and Key Style

These products are sold only under a token-based license. The only key style used is Token.

License File Packaging

Standard DSLS packaging is used. Any license key order causes a cumulative license file to be issued, including a new DSLS Activation Feature. More precisely, a zip file containing one file per Feature is sent (DSLS allows enrollment of an entire zip file at once.

Product Feature Map

This section tells you which keys and tokens (ie, which DSLS "Features" and Quantities) you will receive in the DSLS License File for a given ordered product.

An order for product "SIMULIA Token Pack" (Trigram "S6P") delivers

- "Token" type Features (see "'***Token' Features Delivered"*** below) and

- "Package Component" Features (see ***"'Package Component' Features Delivered"*** below)

The number of concurrent uses is controlled by the number of Token Features available; the Functional Components (such as batch solvers like "explicit") are controlled by the Package Component Features.

"SIMULIA Tokens" product ("S6T") delivers only "Token" type Features.

"Token" Features Delivered

The following chart shows what Tokens and Quantities are included with each purchased unit of a product. The "Feature Name" column shows the Feature as it appears in the DSLS License File.

Product		DSLS Feature	
Trigram	**Product Name**	**Feature Name**	**Qty**
S6P	SIMULIA Token Pack	S6T	50
S6T	SIMULIA Token	S6T	10

"Package Component" Features Delivered

The Functional Components which are enabled by the above "Token" Features is determined by "Package Component" Features installed *in the same DSLS Server instance*.

At runtime, when a Functional Component such as SIMULIA Abaqus/Explicit checks out a quantity of tokens (determined by "Tokens Used" chart) it will check out that number of SIMULIA Tokens (Feature "S6T"). As in the above table, the "Feature Name" column shows the Feature as it appears in the DSLS License File.

Note: For license key administrators familiar with Abaqus 6.11AP and earlier, the result is identical to that achieved using the FlexNet "PACKAGE" line for Feature "abaqus". The "Components" specified in a FlexNet PACKAGE line correspond to the Functional Components shown below, even though the Feature Names have been changed. For example, the Functional Component which has FlexNet package Component name "explicit" has, in DSLS, the Feature Name "QEX".

Note: no "Quantity" is shown for Package Components because they are uncounted Features. In the DSLS License File they should always have a Quantity of "1". (Purchase of more than one unit of S6P for a given DSLS server instance is invalid, so you should never be able to order a quantity greater than one of a Package Component Feature.

Product		DSLS Feature	
Trigram	**Product Name**	**Functional Component**	**Feature Name**

S6P	SIMULIA Token Pack	SIMULIA Abaqus/Standard	QSD
		SIMULIA Abaqus/Explicit	QEX
		SIMULIA Abaqus/Foundation	QFT
		SIMULIA Abaqus Parallel	QPL
		SIMULIA Abaqus gpgpu	QPU

Tokens Used

The SIMULIA Token Pack (S6P) is the base package that establishes the minimum orderable quantity of tokens and the scope of licensed functionality for SIMULIA token based programs.   The token quantity can be scaled up to support additional concurrent simulations or to run jobs on more cores by adding SIMULIA Tokens (S6T) to the Base Package. SIMULIA Tokens managed under DSLS have a finer granularity than Abaqus Flexnet tokens to better match the value of the software enabled with the token cost. Ten SIMULIA DSLS tokens are approximately functionally equivalent to one Abaqus Flexnet token. S6P includes 50 SIMULIA DSLS tokens, which supports one concurrent solver job on one processor core. SIMULIA DSLS tokens are sold in increments of ten (S6T), but consumed in increments of one. This means, for each unit of S6T ordered, ten SIMULIA DSLS tokens are added to the customer's configuration as shown in the following table.

Qty S6P	DSLS tokens	Qty S6T	DSLS tokens	total DSLS tokens
1	50	0	0	50
1	50	1	10	60
1	50	2	20	70
1	50	3	30	80
1	50	4	40	90
1	50	5	50	100

In V6R2013, the functionality supported by S6P includes execution of FEA simulations authored by ExSight or remote execution, off the local workstation, for FEA simulations authored by DesignSight.

Tokens- Theory of Operations and Tokens Used

Please see "Dassault Systèmes Customer License Key Reference - Excludes V6" for more detail regarding Tokens and theory of operation.

Extra "Connector" keys for 3DLive

As mentioned under "Standard License Keys for V6R2013 Products", the 3DLive key is a "configured" key, meaning that a single 3DLive key enables the 3DLive product itself, plus any Add-On Products which have been added into it.

3DLive supports optional connectors, such as VPM V4 and SmarTeam. In order to request these keys, it is necessary to order the corresponding product, which will be provided at no charge. *This procedure is different from the one familiar to customers transitioning from IBM*, where only 3DLIve needed to be ordered, and the extra keys were delivered based solely on that order.

For a list of these server-side additional functions, refer to "V6R2013 Products Which Require Multiple Keys" as well as your product documentation.

ENOVIA System-licensed products

The following ENOVIA System-licensed products do not require a license key.

FCS	ENOVIA File Collaboration Server
JDE	ENOVIA X-BOM for JD Edwards EnterpriseOne
ORM	ENOVIA X-BOM for Oracle Manufacturing
QAM	ENOVIA X-BOM for QAD MFG/PRO
SAM	ENOVIA X-BOM for SAP

ENOVIA Schema Analyzer

Introduction

Schema Analyzer ("SCH") requires a special license key from Inova-eng.com. This key is based on proprietary license key manager.

Installation

When installing ENOVIA Schema Analyzer (referred to in the product technical documentation as "ESA"), the installation wizard will prompt for the serial code which is required to install the product. For production keys, this serial code is included with the distribution CD. For evaluation keys, please contact your sales representative. The serial code should be as shown including all numbers and dashes.

Ordering and Installing a License Key

After installation you should launch the product. This will generate a text file that contains pertinent information required for the license key to be generated for this workstation.

Refer to "How To Request Keys – Overview" for instructions on how to obtain and submit a Dassault Systèmes License Key Request Form. Attach the generated text file to your license key request.

The Dassault Systèmes Key Management Center will email you the license key (referred to in the product technical documentation as "ESA activation patch"). This activation key will be contained in a gzip compressed file with a name like

```
610-ESA-Activation.pat.gz
```

This file must be uncompressed. Then you will have a file with a name like

```
610-ESA-Activation.pat
```

This file must be copied into the directory

```
patches
```

under the SCH installation directory (for example,

```
C:\Program Files\ENOVIA Schema Analyzer\patches
```

replacing the existing dummy file. ENOVIA Schema Analyzer will now be enabled for that workstation.

License key style

Only Nodelocked license keys are used by ENOVIA Schema Analyzer.

Synchronicity Products

All Synchronicity products require FLEXlm keys consumed on the server side.

Release dependency

FLEXlm keys for Synchronicity will work only on the release for which the key was generated or earlier. When you update in the future to a higher release, you will need to request updated keys.

ENOVIA Studio Modeling Platform (DTE)

ENOVIA Studio Modeling Platform (DTE) provides the development tools for customers to customize and test changes to the ENOVIA environment before implementing the changes in their ENOVIA production environment. Starting with V6R2010x, DTE is licensed as Named User, meaning that a license of DTE should be purchased for each person in the development environment who is using DTE and its included tools.

DTE itself does not require a license key.

When a user is working in the development environment, if the production license server is accessible from the development environment, then no additional Named User license keys are needed for any of the software to be tested. If however, the production license server is not accessible from the development environment, then duplicate Named User license keys would need to be requested for the specific users that will be logging into the development environment.

Named User license permits the user access to a single environment at a time, so that if duplicate keys are requested for one or more users in the development environment, they can only be utilized nonconcurrently with the user's keys in the production environment.

ENOVIA Designer Central for CATIA V5

ENOVIA Designer Central for CATIA V5 requires multiple keys in order for the ENOVIA Designer Central for CATIA V5 to access the CATIA V5 environment. See "V6R2013 Products Which Require Multiple Keys" for details on the required keys .

ENOVIA Packages VLC and VLT

These two orderable products

- 6NP-VLC   ENOVIA VPM Live Collaboration
- 6NP-VLT   ENOVIA VPM Team Live Collaboration

are Packages, consisting of 3DLive (LIV) and ENOVIA Live Collaboration (CPF). VLC also includes VPM, while VLT includes VTC and MSF. **As a result, VLC and VLT do not have their own key, but require that the keys of the underlying functional products be ordered.**

Like 3DLIve, VLC and VLT require two LUM V4 VPM V4 keys in order to allow connection to VPM V4 data.

The details for the VLC and VLT multiple required keys can be found in the section "V6R2013 Products Which Require Multiple Keys".

Custom Configured ENOVIA Studio Keys

The ENOVIA Studio VPM API (EVI), the CATIA Studio API (CTI), SIMULIA Studio (SMI), and the DELMIA Studio API (DMI)   products do not have their own key. They are Add-on product that are enabled through a custom configured RDR or RDV key.

3DVIA Composer

All Generally Available 3DVIA Composer Products require FlexNet keys. They are consumed by the end-user's machine, as 3DVIA does not have a client-server architecture.

License Key Style

The license key style (nodelocked, concurrent, or redundant) permitted depends upon the license type (Machine-based or Shareable)

All 3DVIA Composer functional products except one are sold under both Machine-based license and Shareable license. The exception is 3DVIA Composer Player Pro, which is sold only under Machine-based license.

Sharable licensed products. The terms of the Shareable license permit a license to float between machines, so you may order either Concurrent keys, which allow this flexible use, or Nodelocked keys if you prefer, although these will not allow you to enjoy the full benefits of a Shareable license.

You may also order Redundant keys for any product which permits Concurrent keys. These are installed on a set of three FlexNet license servers, to allow failover in case of a license server outage.

Machine-based licensed products. Because the terms of Machine-based license permit the product to be installed and used on only one machine, only Nodelocked license keys should be requested for these products. The exception is again 3DVIA Composer Player Pro (PYP).   Even though it may be installed on only one machine per license, you may request Concurrent ("network", "floating") keys, to simplify the administration for wider use in an enterprise. Since this will allow licenses to float on the network, be sure that you do permit use on unauthorized machines.

Simplified Trial License

A 30-day trial license is now generated automatically when you run 3DVIA Composer evaluation software. The trial license provides access to all features of 3DVIA Composer, 3DVIA Sync (not 3DVIA Enterprise Sync), and 3DVIA Composer Player Pro.

Release dependency and duration

FlexNet keys for 3DVIA will work only on the release for which the key was generated or earlier. When you update in the future to a higher release, you will need to request updated keys.

3DVIA Studio Pro and 3DVIA Shopper

3DVIA Studio Pro and 3DVIA Shopper Products – all new in V6R2012 - require DSLS keys. Supported license key types for these new products include Machine-based, Shareable, Token, and Named-user license keys,

License Key Style

3DVIA Studio Pro products are generally offered with Machine-based and Shareable licenses. An exception is 3DVIA Extra HD, which enables extra virtualization hardware via a DSLS token.

Sharable licensed products. A shareable license permits the use of the product on multiple machines as long as the number of active concurrent users does not exceed the number of licenses purchased. This is enabled by requesting concurrent keys.

You may also order Redundant keys for any product which permits Concurrent keys. These are installed on a set of three Dassault Systèmes license servers, to allow failover in case of a license server outage.

Machine-based licensed products. Because the terms of the Machine-based license permit the product to be installed and used on only one machine, Nodelocked license keys should be requested for these products. However, even though it may be installed on only one machine per license, you may request Concurrent ("network", "floating") keys, to simplify the administration for wider use in an enterprise. Since this will allow licenses to float on the network, be sure that you do not permit use on unauthorized machines.

Token licensed products. The terms of the Token license permit a token-based license to be issued on demand and released, as token-based products are requested and released by users.

3DVIA Shopper products are offered with Named-user licenses.

Named-user licensed products. The terms of the Named-user license permit a product license to be issued only to a specific (named) user. This license may not be used for alternate users – like first-shift and second-shift workers.

Release dependency and duration

3DVIA Studio Pro and 3DVIA Shopper license keys follow the release dependency rules and behaviors outlined above for Standard License Keys for V6R2013 Products

EXALEAD License Keys

Introduction

The current release of EXALEAD is V6R2013. Major release 5.1 was the first offering of the EXALEAD products through Dassault Systèmes. For release 5.1, please refer to "Dassault Systèmes Customer License Key Reference - Excludes V6".

EXALEAD uses a proprietary license key management software which is embedded in the CloudView server. For V5.1 the usage metric of the keys was based upon the number of Applications and the number of cores used by the server. Starting with V6R2012x, this metric is no longer used.

The EXALEAD V6R2013 License File contains several kinds of Features:

- uncounted "system" type Features

- Tokens, and Tokens with usage metric based on number of documents in the repository (known in EXALEAD as the "Index" or "Instance")

- Tokens with usage metric of transactions per month.

Obtaining Software to Determine Target ID (Host ID)

The appropriate Host ID Generator for the operating system installed on your host computer is included in the product shipped. If needed, it can be downloaded from the Dassault Systèmes Software License Keys website:

<div align="center">

http://www.3ds.com/terms/software-keys/

</div>

Note: the identifier of the machine where keys are installed is called by the generic term "Target ID" by the Key Management Centers ("KMCs"). The technical term used in EXALEAD documentation is "Host ID".

If you download the tool, you should extract the contents (instructions and executable) of the appropriate ZIP file below to the computer on which you will install the EXALEAD CloudView products. Select the file appropriate for the operating system you are using.

- EXALEAD Host ID generation (Windows 64 bit)

- EXALEAD Host ID generation (Solaris)

- EXALEAD Host ID generation (Red Hat 5 Linux 64 bit)

- EXALEAD Host ID generation (SUSE 11 Linux 64 bit)

Follow the instructions included with the tool to generate the Host ID. Use this number to fill in the key request form that you are using (see section "How to Request Keys - Overview" in this document) or provide it to your Sales representative.

License Key Packaging

EXALEAD keys are served by the CloudView server. The License File is stored in the filesystem of the CloudView server.

Release Dependency

The EXALEAD license key is generally not release dependent; however, EXALEAD may make modifications to the license management behavior at some future release, necessitating that replacement license keys be issued.

Release nomenclature

Starting with V6R2013, EXALEAD releases have the standard Dassault Systèmes V6 release nomenclature

$$\text{"V6R"} + yyyy + x$$

yyyy The year designation, eg "2013"

x Not used for the first release of a given year. "x" for the second release. There are generally two releases per year, with both being functional plus maintenance.

License Key Installation Requirements

EXALEAD license keys are processed by the CloudView server. The License Key file must be installed per EXALEAD documentation so the CloudView server may find and process it.

Products Available

The following products will be offered in the Dassault Systèmes V6R2013 release of EXALEAD:

EXALEAD Build Products (Only available as part of a Package)	Trigram		
EXALEAD Cloudview	CVS		
EXALEAD Semantic Factory	SMF		
EXALEAD Extended Languages	CXL		
EXALEAD Build Packages and Separately Orderable Products	**Trigram**	**Type**	**Qty**
EXALEAD CloudView Pack	CVS-P	Package	
EXALEAD CloudView			1
EXALEAD CloudView 1000 Tokens			20
EXALEAD CloudView 1000 Tokens	CVS-T	Product	1
EXALEAD CloudView & Semantic Factory Pack	SMF-P	Package	
EXALEAD CloudView			1
EXALEAD Semantic Factory			1
EXALEAD CloudView & Semantic Factory 1000 Tokens			20
EXALEAD CloudView & Semantic Factory 1000 Tokens	SMF-T	Product	1
EXALEAD CloudView & Extended Languages Pack	CXL-P	Package	
EXALEAD CloudView			1
EXALEAD Extended Languages			1
EXALEAD CloudView & Extended Languages 1000 Tokens			20
EXALEAD CloudView & Extended Languages 1000 Tokens	CXL-T	Product	1
EXALEAD CloudView, Semantic Factory & Extended Languages Pack	SMX-P	Package	
EXALEAD CloudView			1
EXALEAD Semantic Factory			1
EXALEAD Extended Languages			1
EXALEAD CloudView, Semantic Factory & Extended Languages 1000 Tokens			20
EXALEAD CloudView, Semantic Factory & Extended Languages 1000 Tokens	SMX-T	Product	1

EXALEAD Build Options	Trigram	Type	Qty
EXALEAD Optical Character Recognition	OCR	Product	1
EXALEAD Advanced Document Conversion	DCV	Product	1
EXALEAD B2B Users			
EXALEAD B2B Find User	UFI	Product	1
EXALEAD B2B Publish User	UPU	Product	1
EXALEAD B2B Decide User	UED	Product	1
EXALEAD B2C API Query Calls			
EXALEAD B2C Find Query Calls (1,000 per Month)	CFI	Product	1
EXALEAD B2C Publish Query Calls (1,000 per Month)	CPU	Product	1
EXALEAD B2C Decide Query Calls (1,000 per Month)	CED	Product	1
EXALEAD Advanced Users			
EXALEAD Mashup Builder Premium	MBU	Product	1
EXALEAD Content Recommender	CRD	Product	1
EXALEAD B2B Connectors			
EXALEAD Connector for Lotus Notes	CLN	Product	1
EXALEAD Connector for Microsoft Exchange	CXG	Product	1
EXALEAD Connector for Microsoft Sharepoint	CSH	Product	1
EXALEAD Connector for DS ENOVIA	CEN	Product	1
EXALEAD Connector for EMC Documentum	CSO	Product	1
EXALEAD Connector for Jalios	CJA	Product	1
EXALEAD Connector for API	CCO	Product	1
EXALEAD Connector for Informatica	CIF	Product	1
EXALEAD Connector for WebSphere Portal and IBM WCM	CV	Product	1

EXALEAD Product-to-Feature Map

	Trigram	Feature	Usage Metric
EXALEAD CloudView	CVS	feature.connector.filesystem	System
		feature.connector.database	System
		feature.connector.xml	System
		feature.connector.imap	System
		feature.connector.ldap	System
		feature.connector.crawler	System
		feature.connector.nntp	System
EXALEAD Semantic Factory	SMF	feature.semantic-factory	System
EXALEAD Extended Languages	CXL	feature.extended-languages	System
EXALEAD CloudView 1000 Tokens	CVS-T	indexing.tokens	Per Data Object
EXALEAD CloudView & Semantic Factory 1000 Tokens	SMF-T	indexing.tokens	Per Data Object
EXALEAD CloudView & Extended Languages 1000 Tokens	CXL-T	indexing.tokens	Per Data Object
EXALEAD CloudView, Semantic Factory & Extended Languages 1000 Tokens	SMX-T	indexing.tokens	Per Data Object

EXALEAD Optical Character Recognition	**OCR**	**feature.ocr**	**System**
EXALEAD Advanced Document Conversion	**DCV**	**feature.advanced-document-conversion**	**System**
EXALEAD B2B Find User	**UFI**	**search.users.find**	**Concurrent User**
EXALEAD B2B Publish User	**UPU**	**search.users.publish**	**Concurrent User**
EXALEAD B2B Decide User	**UED**	**search.users.decide**	**Concurrent User**
EXALEAD B2C Find Query Calls (1,000 per Month)	**CFI**	**search.queries.find**	**Transaction Count per Month**
EXALEAD B2C Publish Query Calls (1,000 per Month)	**CPU**	**search.queries.publish**	**Transaction Count per Month**
EXALEAD B2C Decide Query Calls (1,000 per Month)	**CED**	**search.queries.decide**	**Transaction Count per Month**
EXALEAD Mashup Builder Premium	**MBU**	**mashup-builder.users**	**Concurrent User**
EXALEAD Content Recommender	**CRD**	**content-recommender.users**	**Concurrent User**
EXALEAD Connector for Lotus Notes	**CLN**	**feature.connector.lotusnotes**	**System**
EXALEAD Connector for Microsoft Exchange	**CXG**	**feature.connector.exchange**	**System**
EXALEAD Connector for Microsoft Sharepoint	**CSH**	**feature.connector.sharepoint**	**System**
EXALEAD Connector for DS ENOVIA	**CEN**	**feature.connector.enovia**	**System**
EXALEAD Connector for EMC Documentum	**CDO**	**feature.connector.documentum**	**System**
EXALEAD Connector for Jalios	**CIA**	**feature.connector.jalios**	**System**
EXALEAD Connectivity API	**CCO**	**feature.connector.push-api**	**System**
EXALEAD Connector for Informatica	**CIF**	**feature.connector.informatica**	**System**
EXALEAD Connector for WebSphere Portal and IBM WCM	**CWS**	**feature.connector.websphere-wcm**	**System**

Online Products

Products ordered through the 3DStore

The keys for n!Fuze, n!Volve, 3DSwYm* and Online Additional Disk Space are standard DSLS keys. However, when these packages are purchased through the 3DStore the software license keys are automatically generated. Because these products are running on the cloud the license keys are delivered to an instance on the cloud. When a customer orders these packages for the first time, a new online instance is created.

To simplify the user interface, when purchasing through the 3DStore, the n!Volve product is limited to one instance per company. For the other packages, the number of purchasable instances is the same as when ordered through the Purchase Order process.

Products ordered through the Purchase Order process

The keys for n!Fuze, n!Volve, 3DSwYm* and Online Additional Disk Space are standard DSLS keys. When these packages are ordered through a Dassault Systemes purchase order process, the software license keys are generated from the purchase order and delivered to an instance on the cloud not to the customer. When a customer orders these products for the first time, an online instance must be created through the Dassault Systemes order system prior to processing the purchase order.

- For n!Fuze there can be one instance per user.
- For 3DSwYm, there can only be one instance per company.
- For n!Volve ordered through the PO process, multiple customer instances can be created in which case the order needs to indicate the proper instance for delivery of the purchased user license software keys.

No Target IDs are necessary as this is replaced by the Online instance name.

For more details on assigning keys to named users, please refer to the product documentation.

* 3DSwYm products don't need license keys for themselves. The license keys that are generated are linked to the Online Additional Disk Space products included in the package..

V6R2013 Products Which Require Multiple Keys

Note: a product order must be placed for both the base product and the product corresponding to the extra key. The extra products for the key will be provided at no extra charge.

Product Ordered - Trigram	Name	Key	Key Type	Required Component?	Function
DC5	ENOVIA Designer Central for CATIA V5	DEC	DSLS	Yes	
		CT5	LUM V4	Yes	
		CD5	DSLS	Yes	
		DCI	LUM V4	Yes	
LIV	ENOVIA 3DLive Configuration	LIV	LIV-AOP	Yes	
		REX	LUM V4	No	View VPM V4 data
		VPM	LUM V4	No	View VPM V4 data
		LCX	LUM V4	No	View VPM V5 data
		NVR	LUM V4	No	View SMARTEAM data (V5R19 or less)
		LAA	LUM V4	No	View SMARTEAM data (V5R20 or greater)

VLC	ENOVIA VPM Live Collaboration	LIV	LIV-AOP	Yes	
		CPF	DSLS	Yes	
		VPM	LIV-AOP	Yes	
		REX	LUM V4	No	View VPM V4 data
		VPM	LUM V4	No	View VPM V4 data
		LCX	LUM V4	No	View VPM V5 data
		NVR	LUM V4	No	View SMARTEAM data(V5R19 or less)
		LAA	LUM		View SMARTEAM data (V5R20 or greater)
VLT	ENOVIA VPM Live Team Collaboration	LIV	LIV-AOP	Yes	
		CPF	DSLS	Yes	
		VTC	LIV-AOP	Yes	
		MSF	DSLS	Yes	
		REX	LUM V4	No	View VPM V4 data
		VPM	LUM V4	No	View VPM V4 data
		LCX	LUM V4	No	View VPM V5 data
		NVR	LUM V4	No	View SMARTEAM data(V5R19 or less)

		LAA	LUM V4	No	View SMARTEAM data (V5R20 or greater)
SDS	ENOVIA Semiconductor Accelerator for Design to Manufacture	SDS	DSLS	Yes	
SCD	SIMULIA Scenario Definition	LSM	DSLS	Yes	
		SCE	DSLS	Yes	SCE is a technical product
		SIS	FLEXlm	Yes	
SPS	ENOVIA Semiconductor Accelerator for Enterprise Project Management	SPS	DSLS	Yes	
		SPS	FLEXlm	Yes	

Appendix A.   DSLS V6R2013 Planning, Installation, and Configuration - Notes

Documentation

For complete information on this topic, please see the Program Directory and "DSLS V6R2013 Installation and Configuration Guide", which is on the product media.

Hardware and Software Requirements

For more detailed info, see the product documentation

Virtualization

The Dassault Systèmes License Server V6R2013 does not run in a virtual environment, such as VMWare (R). It will run in an AIX LPAR.

Multiple Dassault Systèmes License Servers for one client machine

Beginning in V6R2011x, multiple DSLS's can be used to serve keys to a single client, even without implementing Failover servers.

The keys are assigned to a user via the P&O administrator function. Once accessed by a user, the key is active until expiration. Should it be necessary to reassign the key (ie user leaves company), it can be can be reassigned by the P&O administrator 30 days after initial use by the user.

DSLS keys for Shareable products are not reserved. When checked back in, they are immediately available to any user.

Release Dependency

Standard keys work only for the Release for which they were generated and *lower*. This value can be seen in the license key; the field name is MaxReleaseNumber. In some cases, it may be higher than the actual release of your product. In most cases, the release of the key is the release that is generally available on the day you request the key.

When you install a new release of the PLM product, you will need to request a release upgrade key from the key center.

Please see the table " Mapping -- Marketing Release to Internal Release Number" in Appendix A, "DSLS V6R2013 Planning, Installation, and Configuration - Notes" if you need to determine what Release a key is for based on the Max Release Number.

The release and duration of the key are independent of each other. A key which has expired will not work on any release. Conversely, even after new releases become generally available, a key that has not expired will continue to work on the release it was generated for, and does not need to be upgraded until you install a new release.

Dassault Systèmes License Server/DSLS uses an internal release number to refer to each release, as follows:

Mapping -- Marketing Release to Internal Release Number (MaxReleaseNumber)	
Release	**DSLS Internal release number**
V6R2008-1.0	2
V6R2009	3
V6R2009x	4
V6R2010	5
V6R2010x	6
V6R2011	7
V6R2011x	8
V6R2012	9
V6R2012x	10
V6R2013	11

Appendix B. Software Licensing Schemes

PLM Version 6 products are licensed under one or more of the following license (contract) types

- *Named User (NU)*

- *System (SL)*

- *Machine-based (MB)* These type of licenses are used primarily for 3DVIA

- *Shareable*

- *Token Based*

This is a change from Version 5, where most products were licensed under a Concurrent User license, and Named User and Token Based were not offered.

Appendix C.   Determining the Target ID

General

Most types of license key can only work on the specific piece of equipment for which the key was created, often one of these:

- an Ethernet card identified by MAC address or a valued calculated from the MAC address

- the operating system defined host id

- CPU, identified by a hardwired motherboard identifier.

Dassault Systèmes KMCs refer to this identifier as the "Target ID", regardless of the license key software used (DSLS V6R2010x and higher, FLEXlm, FlexNet Publisher, LUM V4, LUM V5, etc.). See below for the actual terminology used by the license key software for each product.

When requesting a key from the KMC, you must specify the Target ID for that key. The key will only work if installed (enrolled) on the machine with this Target ID.

DSLS V6R2010x and higher keys

Applies to

- *Rich Client Shareable keys.*   V6R2010x and higher releases of CATIA, DELMIA, SIMULIA, and ENOVIA Shareable Products

- *Rich Client Add-on Product keys.* Configured 3dLive key, with the Add-on products contained in the 3DLive key.   Applies to CATIA, DELMIA, SIMULIA, and ENOVIA Add-on Products.

- *Web Clients* ENOVIA products such as CPF and the Centrals

Format

The Target ID is composed of 3 letters, then "-", then 16 hexadecimal characters (0-9, A-F).

Example

JZR-4230AB7725F401F3

Instructions

The commands below should be run on the machine hosting DSLS where the keys will be enrolled.

Windows

1. From a command prompt, go to

```
C:\Program Files\Dassault Systemes\DS License Server\intel_a\code\bin
```

2. Run

```
DSLicTarget -t
```

AIX

1. cd to

```
 /usr/DassaultSystemes/DSLicenseServer/aix_64/code/bin
```

2. run

```
DSLicSrv -t
```

Terminology

The field which identifies the computer is called the Target ID when dealing with the KMC. The field name inside the DSLS key is ComputerId.

Example.LIC - Notepad

File Edit Format View Help

```
Dassault Systemes Licensing 1.1
GeneratorId=414910215C086659
GenerationDate=2009-02-28.14:27.UTC
GenCompany=IBM
Editor=Dassault Systemes
EditorId=5E756A80-1C80-478D-B83A-1D5913677621
Feature=LIV-MDEVPM
LicenseType=Failover
Quantity=11
ComputerId=434110180ECAA8D1
ComputerId1=415510215C085279
ComputerId2=1BA100164152848C
ComputerName=unknown
Model=NamedUser
CommercialType=STD
MaxUsageDuration=0
MaxUsagePeriod=0
StartDate=2009-02-28.00:00.UTC
EndDate=2011-02-28.23:59.UTC
Duration=731
MaxReleaseDate=2010-06-16.23:59.UTC
Release=12
LicenseId=63M0A-S8LB7-M0HZX-3VA3F-ZNZCZ
RepGroupIndex=0
RepFileQuantity=1
RepFileIndex=1
```

FLEXlm or FlexNet

Applies to

- ENOVIA V6 Synchronicity Products
- ENOVIA V6 Semi-conductor Accelerator products
- 3DVIA Products

Windows

Format

The Target ID is the MAC address of the Network Interface Card (Ethernet card) used by the application.

The format is 12 hexadecimal characters (0-9, A-F).

Example

0015582d80b3

Instructions

Enter the following command on the command line

```
ipconfig –all
```

The target ID is the value shown for "Physical Address"

Sun Solaris

Format

Eight hexadecimal digits (0-9, A-F)

Example

22a024eb

Instructions

Enter the following command

```
usr/ucb/hostid
```

IBM AIX

Format

The Target ID is the Machine ID number of the system. The format is 12 numeric digits.

Example

000313703100

Instructions

Enter the following command

```
usr/bin/uname -m
```

HP-UX

Format

"0x" followed by 12 hexadecimal digits.

Example

0x80000978feb9

Instructions

Enter the following command

```
/etc/lanscan
```

and find the Address for lan0

SGI Irix

Enter the following command

```
/etc/sysinfo -s
```

Terminology

This hardware identifier is variously referred to by FLEXlm/FlexNet community as "MAC Address", "Target ID", and other terms.

FLEXlm – ENOVIA V6 Synchronicity 5.1 IPGear

Format

The target ID consists of 12 hexadecimal characters (0-9, A-F)

Example

```
00093d001c99
```

Instructions

Enter the following command

```
lmutil lmhostid
```

on the machine on which the license key will be installed. This utility is available upon installation of the software.

LUM Version 4

Applies to

- ENOVIA Live Collaboration ("CPF") V6 server V6R2009
- CATIA V4 and V5 Configurations and Shareables
- DELMIA V5R18 and higher
- ENOVIA V5 Configurations and Shareables
- VPM V4
- Product Manager.

In addition V5 and V6 products like 3DLIve which access any of these types of data will require a connector, which will require a LUM V4 key.

Format

8 hexadecimal characters (0-9, A-F)

Example

0a484b66f

Instructions

For AIX®:

Use the following path **/usr/opt/ifor/bin**

Issue the command

```
i4target -OI
```

Note: the command "uname -m" is obsolete and must not be used.

The AIX Preferred LUM Target ID of your machine is displayed first. If you are using LUM 4.6.6 or higher, use the AIX Preferred LUM Target ID.

The AIX Target ID is shown second. If you are using an earlier version of LUM, use the AIX Target ID.

For HP-UX or Solaris with LUM installed:

Issue the command

```
i4target -O
```

Using path

For HP-UX:

```
opt/lum/ls/os/hpux/bin/
```

For Solaris

```
opt/lum/ls/os/solaris/bin/
```

The Target ID of your machine is displayed.

For HP-UX or Solaris without LUM installed:

Refer to the operating system support information provided by the manufacturer for the appropriate command syntax to determine the Target ID.

For Windows:

Issue the command

```
i4target –O
```

to read the Target ID.

Target IDs for Windows are found by reading the network adapter MAC address installed and configured on the machine. If a device driver for a network adapter is detected, the Target ID is displayed, with win32mac as the target type and a symbolic name for the device driver from which the Target ID was taken. For example:

```
2857a1aa win32mac MAC/LLA Address IBMTRP1
```

The Target ID also appears when the network license server is started or when you run a license-enabled product.

The entry I4DRIVER is stored in the Windows registry, in the path

```
HKEY_LOCALMACHINE\SOFTWARE\IBM\License Use Runtime
```

to record the name of the network device driver used to retrieve the Target ID. If you remove the adapter or the device driver, licenses generated to work with this Target ID will no longer be usable.

For any problems related to LUM configuration, please check the readme file located on the LUM CD-ROMe.

A Target ID is displayed.

For HAL Clusters:

Licenses for a HAL Cluster require an additional identifier beyond the Target ID. This identifier is called Cluster ID.

The Cluster ID is automatically generated by License Use Management when a HAL Cluster is created and activated. The Cluster ID is shown in the **Clusters** panels of the i4blt graphical user interface or by issuing the command

```
i4blt -H s -N cluster_name
```

where *cluster_name* is the name assigned to the cluster when it was created.

To request a license for a HAL Cluster, both the Target ID and the Cluster ID are required.

Terminology

LUM V4 uses the same term for the hardware equipment identifier as the Dassault Systèmes KMCs: "target id".

LUM Version 5 (also known as "DSLS" prior to V6R2010x)

Applies to

- First release of 3DLIve V6
- V6R2009 through V6R2010.

Format

16 hexadecimal characters (0-9, A-F)

Example

```
1e9460004a6475bc
```

Instructions

Run the following command

```
lumtarget
```

Terminology

LUM V5 and DSLS V6R2009 through V6R2010 use same term as Dassault Systèmes KMCs: "target ID"

Inova-eng.com

Applies to

ENOVIA Schema Analyzer

Note: For information on special key request procedure, please see above in the document.

Change Log

Rev	Date	Change
1	21 May 2012	Added EXALEAD section for 2013 release
2	9 Jul 2012	Fixed hyperlink on page 7
3	7 Sept 2012	Updated section on Online Products, updated terminology per DS standards